

Notice of Allowability

Application No.

10/053,057

Examiner

Cheukfan Lee

Applicant(s)

CHIANG, SHU-YA

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an application for patent filed November 10, 2001.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

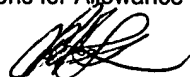
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


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1. All pending claims 1-17 are allowed. Claims 1, 7 and 13 are independent.

2. The following is an examiner's statement of reasons for allowance:

Claim 1 and its dependent claims 2-6 are allowable over the prior art of record because the prior art does not teach the a combination of the following limitations as claimed for a transmission device provided to drive a name card to pass over a contact image sensor (CIS) for scanning:

a loading deck having a) a central recess for loading a name card and b) a correction slip attached to a bottom face at the front end of the deck; and

a first gear set and a second gear set fixed oppositely on the same gear shaft for driving the loading deck.

The closest prior art reference Pan (U.S. Patent No. 5,663,812), cited below, discloses a transmission device having a loading deck and a gear set for driving the loading deck, but Pan does not disclose a correction slip attached to a bottom face at the front end of the deck, a central recess of the loading deck and a contact image sensor (Fig. 3).

Another closest prior art reference Tu et al. (U.S. Patent No. 6,005,684) discloses a transmission device having a loading deck and a gear at each end of a shaft for driving the deck, but Tu et al. does not disclose a correction slip attached to a bottom face at the front end of the deck, a central recess of the deck and a contact image sensor (Fig. 9). Tu et al. discloses two gears but not two gear sets.

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A third closest prior art reference Leou (U.S. Patent No. 5,923,445) discloses a transmission device for driving an original loading deck on which a large original is placed and scanned in two scans such that after the first scan, the deck is driven in the longitudinal direction of the deck and a second scan is performed. Leou does not disclose a correction slip attached at the bottom of the deck, a central recess of the deck. Leou discloses a gear but not a gear set at each end of the gear shaft (Figs. 1 and 3B).

Claim 7 and its dependent claims 8-12 are allowable over the prior art of record because the prior art does not teach a combination of the following limitations as claimed for transmission device which is provided to drive a name card pass over a contact image sensor (CIS) for scanning:

a loading deck having a) a central recess for loading a name card and b) a correction slip attached to a bottom face at the front end of the deck; and
a first gear set and a wheel for driving and supporting the loading deck, respectively.

None of the closest prior art references discussed above, Pan (U.S. Patent No. 5,663,812), Tu et al. (U.S. Patent No. 6,005,684) and Leou (U.S. Patent No. 5,923,445), discloses the claimed correction slip in addition to a recess of the deck.

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Claim 13 and its dependent claims 14-17 are allowable over the prior art of record because the prior art does not teach a combination of the following limitations as claimed for a transmission device which is provided to drive a name card to pass over a contact image sensor (CIS) for scanning:

a loading deck having a) a recess for loading a name card, b) a bevel gear bar positioned under each side of the deck, and c) a correction slip attached to a bottom face at the front end thereof; and

a first bevel gear set and a second bevel gear set mounted on a stud threaded at both ends for driving the loading deck.

None of the closest prior art references discussed above, Pan (U.S. Patent No. 5,663,812), Tu et al. (U.S. Patent No. 6,005,684) and Leou (U.S. Patent No. 5,923,445), discloses the claimed correction slip in addition to a recess of the deck.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Pan (U.S. Patent No. 5,663,812) discloses a transmission device for a reflect type original scanner mounted in a host computer.

Tu et al. (U.S. Patent No. 6,005,684) discloses transmission device for driving a document sheathe.

Leou (U.S. Patent No. 5,923,445) discloses a transmission device for driving a large-original loading deck.

Huang (U.S. Patent No. 6,600,578) discloses a transmission mechanism for driving either an original-loading deck or an image sensor during scanning.

Shih (U.S. Patent No. 5,818,611) discloses a scanning device having a tray for loading a reflection-type original and a transparent original.

Brandestini et al. (U.S. Patent No. 6,304,344) discloses an image digitizing system having a transporting system (Figs. 2A and 8).

Honda (U.S. Patent No. 4,857,956) discloses a copier with reciprocating document table.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cheukfan Lee
September 8, 2005



Cheukfan Lee